

3 Things You Need to Know About:

Energy Efficiency



Big
Green
Zero

1. America's Energy Problem

- ❑ **57.5% of energy produced is wasted.**

Lawrence Livermore National Laboratory - July, 2009

- ❑ **4.2 million commercial buildings waste 30% of the energy occupants pay for.**

U.S. Department of Energy – 2007



2. Waste in 4.2 mil. Buildings

- ❑ Reduces Business Profits
 - \$60.7 billion during 2007¹

- ❑ Costs Jobs
 - 1.5 million²

- ❑ Pollutes the Environment
 - Coal produces 50% of electricity
 - We waste +50% of electricity produced

¹ Source: U.S. Department of Energy - 2007

² \$60.7 billion/\$40,000 per job = 1.5 mil.

3. Energy Efficiency Lessons

Lessons Learned:

- Academic Campus
- Industrial Campus
- Restaurants
- Museum
- Resort & Recreation
- Multi-Family Residential
- Retail
- Offices
- Churches



3. Energy Efficiency Lessons

1. 20% - 50% savings are possible
2. Saving energy requires little or no capital investment
 - ✓ Multi-year R & M process
3. Efficiency can make solar affordable
 - ✓ Smaller solar system required
 - ✓ Integrated investment = better ROI
4. Energy assessment is essential
 - ✓ You cannot manage what you do not measure.



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